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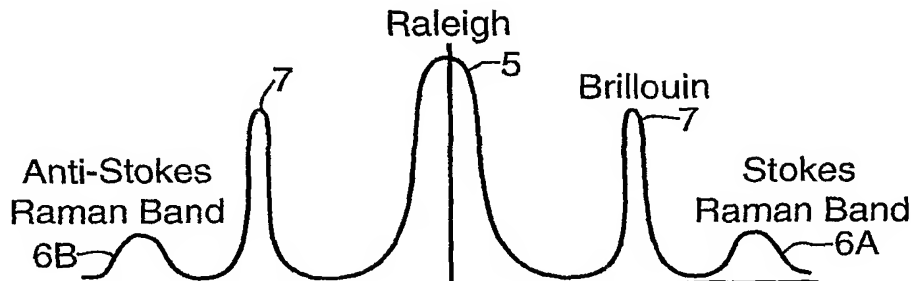
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(54) Title: METHOD OF DETERMINING A FLUID INFLOW PROFILE OF WELLBORE



(57) Abstract: A method of determining a fluid inflow profile along the length of a permeable inflow region of an underground wellbore comprising: -transferring heat into or from the permeable inflow region of the wellbore during a well shut in period; -starting production of hydrocarbon fluids via said permeable inflow region; - measuring substantially simultaneously the temperature of the fluids at various points of the inflow region; - determining at selected intervals of time after production start up a temperature profile of the inflow region on the basis of the thus measured temperatures; and - determining a fluid inflow profile of said inflow region on the basis of a comparison of the determined temperature profiles at selected intervals after production start up. The heater cable may comprise a layer of compacted mineral powder and temperatures may be measured with an optical fiber.

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